

Integrating Activities for Advanced Communities



D2.7 – 2nd Newsletter issues for Teachers

Project No.730938– INTERACT

H2020-INFRAIA-2016-2017/H2020-INFRAIA-2016-1

Start date of project: 2016/10/01
Due date of deliverable: 2018/10/31

Duration: 48 months
Actual Submission date: 2019/03/29

Lead partner for deliverable: IGF PAS
Author: Anna Wielgopolan, Wojciech Piotrowski

Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the Consortium (including the Commission Services)	
CO	Confidential, only for members of the Consortium (including the Commission Services)	

Table of contents

Publishable Executive Summary.....	3
1. Introduction.....	4
2. Technical details.....	4
3. The contents	4

Publishable Executive Summary

The 2nd Newsletter for Teachers contains information about INTERACT’s new educational material dedicated to up-to-date topics related to the Arctic, information on promotional materials about educational resources (brochure and video clip), on upcoming relevant events for teachers both online meetings (webinars) as well as physical meetings. The newsletter was sent out on the 29 March 2019 by e-mail to 103 science teachers and educators. The 2nd Newsletter for Teachers was originally proposed to be submitted on the 31st of October 2018, but as there was a possibility to include new “educational package” material including online presentations, animations, power point files to be used by teachers, fun fact sheets etc. (not planned from the beginning of the project which provided excellent added value) we decided to wait to submit this newsletter until the educational packages were available.

1. Introduction

Newsletter issues for Teachers are a part of Task 2.2 “Promote Arctic and climate change issues in education”. Newsletters are one of the tools of communication with science teachers and polar educators. They are designed to inform the teachers about INTERACT’s educational resources. They are also intended to promote polar and climate change issues within school organisations. Within the project, a series of 3 Newsletters will be produced and distributed among the teachers. This document describes the 2nd Newsletter for Teachers.

The 2nd Newsletter for Teachers was originally proposed to be submitted on the 31st of October 2018, but as there was a possibility to include new educational package material including online presentations, animations, power point files to be used by teachers, fun fact sheets etc. (not planned from the beginning of the project which provided excellent added value), we decided to wait to submit this newsletter until the educational packages were available.

2. Technical details

The 2nd Newsletter for Teachers was sent out on the 29 March 2019 by e-mail to **103** science teachers and educators who expressed their interest to receive news about the Project. Contacts with teachers and educators were made during the 1st CAWI Survey (May/June 2017) and during the STEM workshops for teachers organised by IGF PAS and all teachers contacted were keen on receiving the coming newsletters for teachers.

The 2nd Newsletter for Teachers contains 2 pages and is published in PDF format. It can be downloaded from INTERACT web site, read on-line or printed out in A4 format.

3. The contents

The 2nd Newsletter for Teachers contains information about the Project’s new educational materials dedicated to up-to-date topics related to the Arctic, produced by INTERACT. Below is a detailed list of topics:

1. Introduction;
2. List of topics, information on background, target group, and key features;
3. Information about copyright;
4. Elements and content;
5. Information on promotional materials about educational resources (brochure and video clip);
6. Polar Educators’ Forum in Cambridge (8-11 April);
7. SCIENTIX – webinar for teachers;
8. Request for feedback (link to a survey).

The Newsletter also contains a link to INTERACT’s Facebook page, a short general note about the Project, and contact details. The images of the two pages of the Newsletter are attached below (Figure 1 & 2).



INTERACT NEWSLETTER
for teachers and educators

Newsletter #2, March 2019

Dear Teachers and Educators,

New educational resources are coming your way! We are happy to announce that we've prepared new materials dedicated to up-to-date topics related to the Arctic. You're an engaged teacher who showed interest in polar research as a driver of STEM education, so we're offering you access to our brand new tool-kits. We did our best to provide you with attractive, useful, comprehensive and engaging material. Feel free to use, assess and comment. Any questions? Write to us and share your experience: edukacja@igf.edu.pl

TOPICS	BACKGROUND	TARGET GROUP	KEY FEATURES
Up-to-date polar issues PERMAFROST GLACIERS CLIMATE CHANGE etc.	Based on teachers' recommendations. E.g., climate change was indicated as the most interesting topic in entry CAWI survey	Teachers/educator, students 13-19 years old Alignment with 21st century skills and trends	Multi-faceted material, working with actual data, hands-on activities, scientific literacy, working with resources

Ready to download and use

You can download materials [HERE](#). The materials are available without limits, no charge under [CC-BY-SA](#). You are free to:

- Share — copy and redistribute the material in any medium or format
- Adapt — remix, transform, and build upon the material for any purpose, even commercially.

More materials coming soon! Final versions of the materials will be posted on www.eu-interact.org.

Elements and content

Each educational tool-kit contains:

- SYLLABUS** – table of content with basic information and resources, links to crucial definitions, mind map;
- MATERIAL FOR TEACHERS** – comprehensive and reliable resource – „topic in a nutshell”, illustrations, basic facts, advanced material, research methods, 5 fun facts;
- LESSON PLAN** – detailed, yet easily adaptable description of suggested activities (minute-by-minute) with homework, preparatio goals, evaluation, online activities (Educaplay, Kahoot!);
- WORKSHEET** – hands-on activities for students, based on actual research results + version for teachers – with answers and explanation;
- EXPERIMENT SCENARIO** – easy DIY, engaging activities without special equipment;
- PRESENTATION** – PowerPoint, ready to use for teacher as introduction;
- WEBINAR** – recording of 15 min lecture by an expert-scientist;
- ANIMATION** – illustrative, narrated explanation of phenomena.

e found it valuable to identify crucial questions in particular topic and provide comprehensive answers and actual use of information. For example, after PERMAFROST lesson, each student will: understand what permafrost is, where it can be found and what are its properties interpret research results (figure based on modelling and actual measurements) recognize landforms related to permafrost describe how thawing permafrost is changing the local landscape understand positive feedback loop in climate change – permafrost thawing relations name research methods in permafrost studies

ie material offers also „fun” content, aimed at attracting students' attention, this is why you'll learn, among hers, why is it illegal to die in Longyearbyen, you'll meet Ice Princess and frozen mammoths

Figure1. 1st page of the 2nd Newsletter for Teachers.



The screenshot shows the 2nd page of the 2nd Newsletter for Teachers. It features a map of the Arctic region in the top left corner. The main content is organized into several sections:

- Follow us on Facebook:** www.facebook.com/interactArctic/
- Spreading the word use our promotional materials**
Check out our new promotional materials dedicated to educational component of INTERACT project! [Project brochure](#) and [video](#) allow to get familiar with proposed tools. Please [download](#), [use](#), [share](#)!
- Polar Educators' Forum in Cambridge**
We are very happy to be part of this year's [meeting](#) organized in Cambridge, 8-11 April, by [International Arctic Science Committee](#). This prestigious event will be dedicated to education and polar research in action. We hope to meet you there!
- SCIENTIX – webinar for teachers**
Networking with other projects brings great results. For example, we use POLARPEDIA glossary developed within EDU-ARCTIC project to explain important terms. On 13th March 2019, thanks to cooperation with EUN (European Schoolnet) we had an opportunity to share our educational materials with dozens of teachers from all over Europe during a SCIENTIX webinar – [watch the recording](#)!
- We are waiting for your feedback!**
How do you assess our educational materials? Are they fitting your needs? What can be improved? Do you observe impact on your students? We're very excited to learn your opinion. To fill in a short online survey, please click [HERE](#).

At the bottom of the page, there is a paragraph describing the INTERACT project as a circumpolar network of 83 Arctic research stations and northern alpine areas of Europe, Asia and North America, and an international consortium of 47 scientific institutions devoted to polar research. It also includes logos for INTERACT, European Commission, and Horizon 2020, along with contact information for Anna Wielgopolan and Katharina Beckmann.

Figure2. 2nd page of the 2nd Newsletter for Teachers.